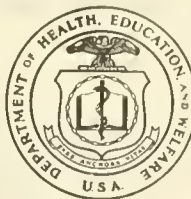


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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality



Vol. 15, No. 35

WEEKLY
REPORT

Week Ending
September 3, 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES AND REPORTS ENCEPHALITIS - Texas and Missouri

A total of 90 cases of clinical encephalitis with confirmatory or presumptive laboratory evidence and 45 suspect cases with inconclusive or pending data have been reported from Dallas through September 6, 1966. There have been 11 deaths. In addition, 25 cases of clinically diagnosed aseptic meningitis or febrile headache have presumptive laboratory evidence for St. Louis encephalitis virus infection. The criteria for the confirmed category is a fourfold increase in CF antibody titer, and for the presumptive, a CF or HI antibody titer of 1:10 or greater.

Corpus Christi for the same period has reported 48 laboratory confirmed or presumptive cases of encephalitis

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and 28 suspect cases of clinical encephalitis with inconclusive or pending data. There have been two deaths.

Aerospraying with Malathion was completed in Dallas on August 27 and in Corpus Christi on August 29. It is still too soon to detect a definite reduction in the incidence of human disease related to this spraying operation.

(Continued on page 308)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	35th WEEK ENDED		MEDIAN 1961 - 1965	CUMULATIVE, FIRST 35 WEEKS		
	SEPTEMBER 3, 1966	SEPTEMBER 4, 1965		1966	1965	MEDIAN 1961 - 1965
Aseptic meningitis	126	68	68	1,601	1,215	1,234
Brucellosis	7	5	6	156	165	284
Diphtheria	7	3	3	120	100	174
Encephalitis, primary:						
Arthropod-borne & unspecified	194	50	---	1,276	1,127	---
Encephalitis, post-infectious	10	9	---	570	530	---
Hepatitis, serum	20	556	675	931	23,023	29,714
Hepatitis, infectious	497			21,716		
Measles (rubeola)	516	468	704	188,673	239,140	385,628
Poliomyelitis, Total (including unspecified)	5	2	33	65	42	237
Paralytic	5	2	28	61	35	202
Nonparalytic	---	---	---	---	6	---
Meningococcal infections, Total	27	26	30	2,672	2,274	1,720
Civilian	27	25	---	2,400	2,093	---
Military	---	1	---	272	181	---
Rubella (German measles)	225	---	---	41,341	---	---
Streptococcal sore throat & Scarlet fever	4,047	3,534	3,041	302,167	280,208	244,813
Tetanus	5	6	---	114	182	---
Tularemia	4	9	---	114	175	---
Typhoid fever	9	10	17	245	275	318
Typhus, tick-borne (Rky. Mt. Spotted fever)	6	11	---	184	211	---
Rabies in Animals	68	47	47	2,906	3,098	2,739

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	4	Botulism	4
Leptospirosis: Hawaii-1	48	Trichinosis: Conn.-1, Me.-1, Pa.-1, Ind.-1, Calif.-1	73
Malaria: Ill.-1, Mich.-1, Kans.-1, Colo.-1, Pa.-3, Calif.-1	233	Rabies in Man	1
Psittacosis	31	Rubella, Congenital Syndrome	20
Typhus, murine: Ohio-1	16	Plague	4

CURRENT TRENDS MEASLES - 1966

A total of 178,559 cases of measles was reported in the United States during the first 26 weeks of 1966, 48,938 fewer than the total for the comparable period of 1965 and the lowest total in the preceding 10-year period (Figures 1 and 2). It is of interest that the progressive decline follows the availability of measles vaccine.

The Middle Atlantic, East North Central and East South Central Divisions, however, reported more cases of measles during the first half of 1966 than of 1965. New York City in the Middle Atlantic Region, Indiana, Illinois and Wisconsin in the East North Central Division, and Kentucky and Tennessee in the East South Central Division accounted for the majority of increases reported from their respective regions.

During the first 24 weeks of 1966, seven states reported 61.9 percent of the total measles cases, compared to 41.1 percent and 46.3 percent of the totals for the same periods in 1965 and 1964, respectively (Table 1). Approximately 51 percent of the total measles cases reported in the first 24 weeks of 1966 were concentrated in 70 out of 2,072 counties or health districts in 35 states, each of which recorded 500 or more cases. Only 23.2 percent of the population of the U.S. resides in these areas. Localized outbreaks of measles occurred in rural as well as urban areas, as the populations of the 70 counties or health districts range from 15,720 to over one million.

Measles Deaths

During the 10-year period 1955-64, there has been an average of 421 deaths per year, with a low of 364 in

1963 and a high of 552 in 1958. The West South Central, South Atlantic and East North Central Divisions had the highest ratios of deaths due to measles per 1,000 population between 1960 and 1964. Data on these deaths are not currently available concerning the frequency of the particular complications of measles leading to a fatal outcome.

Measles Encephalitis

There were 128 cases of post-measles encephalitis reported for the first half of 1966, 58 more than during the comparable period of 1965 and 23 fewer than during the respective period in 1964 (Table 2). The ratio of reported cases of post-measles encephalitis to total cases in the U.S. was 0.7 per 1,000 cases the first half of 1966, a substantial increase over the 0.3 per 1,000 cases recorded for same periods in 1965 and 1964. An apparent increase in the relative frequency of encephalitis was seen in six of the nine Divisions.

Table 1
States Reporting 10,000 or More Cases of Measles
First 24 Weeks, 1964-1966

State	June 18, 1966	June 19, 1965	June 13, 1964
Wisconsin	28,889	12,159	13,120
Texas	20,338	27,782	65,825
California	13,259	12,044	28,743
Michigan	12,014	24,087	25,611
Tennessee	11,313	7,337	22,024
Illinois	10,953	2,194	15,491
New York	10,101	5,047	24,843

Figure 1
REPORTED MEASLES BY FOUR-WEEK PERIODS - UNITED STATES, 1956-1966

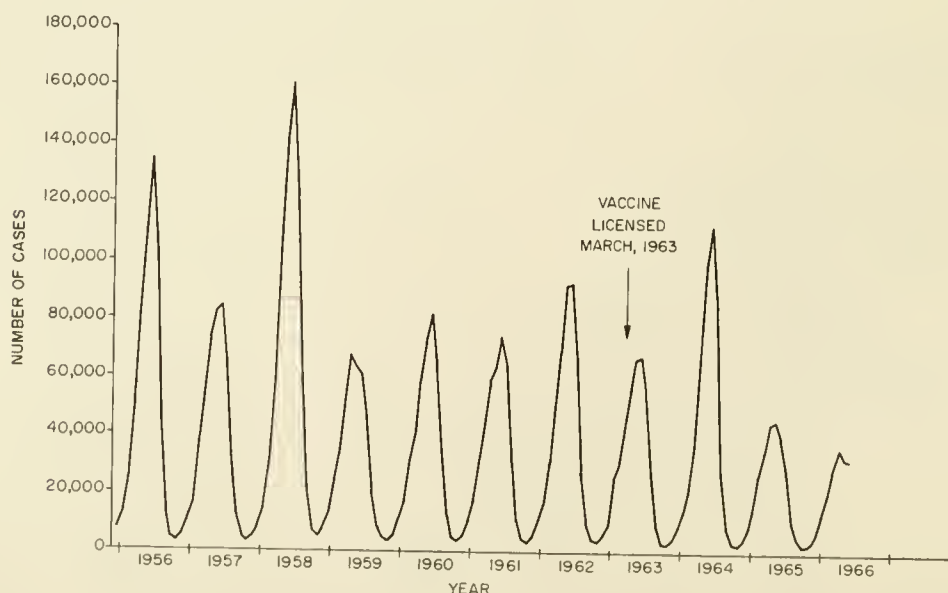
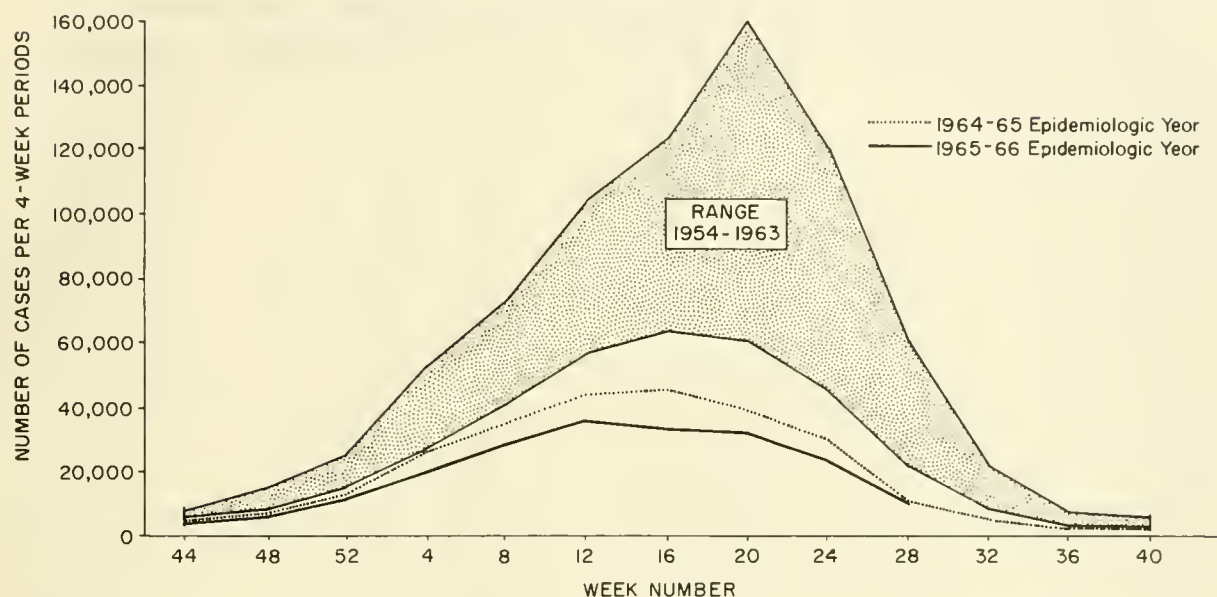


Figure 2
MEASLES CUMULATED BY FOUR-WEEK PERIODS, UNITED STATES
EPIDEMIOLOGIC YEARS, 1964-65 AND 1965-66
COMPARED WITH 10-YEAR PERIOD, 1954-63



Vaccine

From the time of measles vaccine licensure in 1963 through March 1966, approximately 15 million doses of live attenuated measles virus vaccine were distributed by manufacturers for use in the United States. The estimated number of susceptible children has been reduced from about 20 million to approximately 12 million.

Editorial Note:

In 1965, when approximately six million doses of measles vaccine were distributed, most of the vaccine was used by physicians in private practice. As a result higher socioeconomic groups generally have been more adequately immunized than the lower socioeconomic

groups. Children in many rural areas have not been vaccinated against measles. Also, it has been the custom to concentrate on immunizing 1- and 2-year-olds while little emphasis has been placed on the protection of older children.

In October 1965, funds were made available for purchase of measles vaccine through the Immunization Assistance Act. The program provides measles vaccine free of charge for all preschool children. Geographical areas served by this program include 82 percent of the population of the U.S.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Branch, CDC.)

Table 2
Reported Cases of Past-Measles Encephalitis and Measles - First 26 Weeks, 1964-1966

Area	1966		1965		1964	
	Encephalitis	Measles	Encephalitis	Measles	Encephalitis	Measles
United States	128	178,559	70	227,487	151	441,270
New England	1	2,136	10	36,252	--	15,129
Middle Atlantic	19	17,393	13	13,242	24	49,622
East North Central	31	65,108	7	50,831	29	98,383
West North Central	8	8,390	--	16,025	--	29,383
South Atlantic	2	14,027	8	23,565	9	36,730
East South Central	12	18,718	1	13,159	6	65,829
West South Central	12	22,686	7	29,640	3	69,629
Mountain	--	11,081	--	18,562	--	16,818
Pacific	43	19,020	24	26,211	80	59,717

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
SEPTEMBER 3, 1966 AND SEPTEMBER 4, 1965 (35th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	ENCEPHALITIS			DIPHTHERIA		HEPATITIS		
				Primary including unsp. cases		Post- Infectious			Serum	Infectious	Both Types
	1966	1965		1966	1965	1966	1966	1965			
UNITED STATES...	126	68	7	194	50	10	7	3	20	497	556
NEW ENGLAND.....	22	1	-	2	4	-	-	-	-	25	30
Maine.....	1	-	-	-	-	-	-	-	-	3	3
New Hampshire.....	-	-	-	-	-	-	-	-	-	1	2
Vermont.....	-	-	-	-	-	-	-	-	-	-	1
Massachusetts.....	13	1	-	1	2	-	-	-	-	12	18
Rhode Island.....	7	-	-	1	-	-	-	-	-	2	1
Connecticut.....	1	-	-	-	2	-	-	-	-	7	5
MIDDLE ATLANTIC.....	9	8	-	4	13	-	-	-	11	89	91
New York City.....	6	2	-	1	1	-	-	-	6	17	26
New York, Up-State.....	-	2	-	1	4	-	-	-	2	22	27
New Jersey.....	2	3	-	2	5	-	-	-	3	10	14
Pennsylvania.....	1	1	-	-	3	-	-	-	-	40	24
EAST NORTH CENTRAL...	9	17	1	26	8	3	-	-	-	84	132
Ohio.....	1	2	-	24	5	-	-	-	-	19	24
Indiana.....	1	1	-	-	-	-	-	-	-	11	10
Illinois.....	1	6	1	2	3	1	-	-	-	16	23
Michigan.....	5	8	-	-	-	2	-	-	-	34	67
Wisconsin.....	1	-	-	-	-	-	-	-	-	4	8
WEST NORTH CENTRAL...	2	8	-	16	10	3	-	-	-	13	24
Minnesota.....	2	6	-	-	1	3	-	-	-	7	1
Iowa.....	-	1	-	1	1	-	-	-	-	3	5
Missouri.....	-	1	-	4	-	-	-	-	-	3	9
North Dakota.....	-	-	-	4	6	-	-	-	-	-	4
South Dakota.....	-	-	-	3	1	-	-	-	-	-	-
Nebraska.....	-	-	-	1	-	-	-	-	-	-	3
Kansas.....	-	-	-	3	1	-	-	-	-	-	2
SOUTH ATLANTIC.....	19	2	2	4	3	-	1	-	-	47	67
Delaware.....	-	1	-	-	-	-	-	-	-	2	-
Maryland.....	2	-	-	1	-	-	-	-	-	14	15
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	1	2
Virginia.....	3	-	-	1	-	-	-	-	-	6	15
West Virginia.....	2	-	-	-	1	-	-	-	-	1	6
North Carolina.....	2	-	-	-	-	-	-	-	-	8	6
South Carolina.....	-	1	-	-	-	-	1	-	-	-	4
Georgia.....	-	-	-	-	-	-	-	-	-	8	4
Florida.....	10	-	2	2	2	-	-	-	-	7	15
EAST SOUTH CENTRAL...	16	-	2	9	-	1	-	-	1	33	30
Kentucky.....	1	-	-	-	-	-	-	-	-	9	8
Tennessee.....	10	-	2	9	-	1	-	-	1	14	8
Alabama.....	5	-	-	-	-	-	-	-	-	4	10
Mississippi.....	-	-	-	-	-	-	-	-	-	6	4
WEST SOUTH CENTRAL...	10	5	1	112	1	-	6	3	-	48	33
Arkansas.....	-	1	-	-	-	-	-	-	-	7	2
Louisiana.....	3	-	-	1	-	-	3	2	-	7	7
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-
Texas.....	7	4	1	111	1	-	3	1	-	34	24
MOUNTAIN.....	1	2	1	9	8	-	-	-	-	21	17
Montana.....	-	1	-	-	1	-	-	-	-	-	3
Idaho.....	-	-	-	-	-	-	-	-	-	1	-
Wyoming.....	-	-	-	-	4	-	-	-	-	1	2
Colorado.....	-	-	-	6	3	-	-	-	-	5	3
New Mexico.....	-	-	-	-	-	-	-	-	-	1	2
Arizona.....	1	1	-	2	-	-	-	-	-	7	6
Utah.....	-	-	1	1	-	-	-	-	-	6	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	38	25	-	12	3	3	-	-	8	137	132
Washington.....	-	1	-	-	-	-	-	-	5	11	5
Oregon.....	-	-	-	-	-	-	-	-	-	28	11
California.....	38	21	-	12	3	3	-	-	3	98	114
Alaska.....	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	3	-	-	-	-	-	-	-	-	2
Puerto Rico.....	-	1	-	-	-	-	-	-	-	18	29

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

SEPTEMBER 3, 1966 AND SEPTEMBER 4, 1965 (35th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
	1966	Cumulative		1966	Cumulative		Total		Paralytic		
		1966	1965		1966	1965	1966	1965	1966	Cumulative 1966	
UNITED STATES...	516	188,673	239,140	27	2,672	2,274	5	2	5	61	225
NEW ENGLAND.....	10	2,243	36,748	-	118	113	-	-	-	-	18
Maine.....	1	196	2,789	-	9	16	-	-	-	-	1
New Hampshire.....	-	80	381	-	9	7	-	-	-	-	-
Vermont.....	6	231	1,256	-	4	6	-	-	-	-	-
Massachusetts.....	2	776	19,277	-	48	37	-	-	-	-	7
Rhode Island.....	-	72	3,899	-	13	14	-	-	-	-	3
Connecticut.....	1	888	9,146	-	35	33	-	-	-	-	7
MIDDLE ATLANTIC.....	24	17,977	14,646	3	318	297	-	1	-	-	17
New York City.....	14	8,274	2,333	1	45	51	-	-	-	-	10
New York, Up-State.....	9	2,525	4,114	-	89	84	-	-	-	-	7
New Jersey.....	-	1,845	2,539	2	97	78	-	1	-	-	-
Pennsylvania.....	1	5,333	5,660	-	87	84	-	-	-	-	-
EAST NDRTH CENTRAL...	121	68,427	55,377	7	416	322	1	-	1	3	88
Ohio.....	2	6,333	8,853	1	113	85	-	-	-	-	6
Indiana.....	9	5,674	1,813	3	75	41	1	-	1	1	14
Illinois.....	6	11,332	2,653	1	77	90	-	-	-	2	2
Michigan.....	69	14,316	26,336	2	109	69	-	-	-	-	11
Wisconsin.....	35	30,772	15,722	-	42	37	-	-	-	-	55
WEST NORTH CENTRAL...	-	8,666	16,427	1	142	117	-	1	-	1	1
Minnesota.....	-	1,639	631	-	34	23	-	-	-	1	-
Iowa.....	-	5,303	8,977	-	22	7	-	1	-	-	1
Missouri.....	-	530	2,586	1	55	52	-	-	-	-	-
North Dakota.....	-	1,078	3,671	-	9	11	-	-	-	-	-
South Dakota.....	-	40	113	-	4	3	-	-	-	-	-
Nebraska.....	-	76	459	-	8	10	-	-	-	-	-
Kansas.....	NN	NN	NN	-	10	11	-	-	-	-	-
SOUTH ATLANTIC.....	55	15,124	24,722	2	448	438	-	-	-	1	11
Delaware.....	-	256	502	-	4	7	-	-	-	-	-
Maryland.....	-	2,096	1,156	-	46	42	-	-	-	-	-
Dist. of Columbia..	-	382	76	-	11	8	-	-	-	-	1
Virginia.....	20	2,138	4,049	-	49	50	-	-	-	-	4
West Virginia.....	29	5,210	13,571	1	25	24	-	-	-	-	3
North Carolina.....	3	479	382	1	114	87	-	-	-	-	-
South Carolina.....	1	655	1,010	-	47	58	-	-	-	-	3
Georgia.....	-	234	616	-	63	57	-	-	-	1	-
Florida.....	2	3,674	3,360	-	89	105	-	-	-	-	-
EAST SOUTH CENTRAL...	38	19,624	13,653	4	234	178	-	-	-	3	20
Kentucky.....	5	4,699	2,425	1	85	71	-	-	-	-	3
Tennessee.....	28	12,236	7,807	3	77	55	-	-	-	-	17
Alabama.....	1	1,678	2,310	-	50	32	-	-	-	1	-
Mississippi.....	4	1,011	1,111	-	22	20	-	-	-	2	-
WEST SDUTH CENTRAL...	133	24,326	30,671	1	367	304	4	-	4	51	3
Arkansas.....	1	971	1,084	-	33	14	-	-	-	-	-
Louisiana.....	-	99	104	-	137	169	-	-	-	1	-
Oklahoma.....	6	480	203	-	18	19	-	-	-	1	-
Texas.....	126	22,776	29,280	1	179	102	4	-	4	49	3
MOUNTAIN.....	43	11,899	19,623	1	85	72	-	-	-	-	33
Montana.....	5	1,808	3,707	-	4	2	-	-	-	-	-
Idaho.....	5	1,552	2,772	-	5	8	-	-	-	-	-
Wyoming.....	2	159	843	-	6	5	-	-	-	-	-
Colorado.....	22	1,299	5,615	1	46	14	-	-	-	-	27
New Mexico.....	-	1,130	676	-	10	11	-	-	-	-	-
Arizona.....	3	5,280	1,291	-	10	16	-	-	-	-	6
Utah.....	6	628	4,516	-	-	14	-	-	-	-	-
Nevada.....	-	43	203	-	4	2	-	-	-	-	-
PACIFIC.....	92	20,387	27,273	8	544	433	-	-	-	2	34
Washington.....	38	3,525	7,217	-	37	33	-	-	-	2	20
Oregon.....	24	1,746	3,203	1	34	32	-	-	-	-	3
California.....	25	14,512	12,899	7	454	343	-	-	-	-	10
Alaska.....	4	471	177	-	15	18	-	-	-	-	1
Hawaii.....	1	133	3,777	-	4	7	-	-	-	-	-
Puerto Rico.....	20	2,652	2,344	-	10	6	-	-	-	1	-

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

SEPTEMBER 3, 1966 AND SEPTEMBER 4, 1965 (35th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	4,047	5	114	4	114	9	245	6	184	68	2,906
NEW ENGLAND.....	634	1	3	-	1	-	6	-	2	4	69
Maine.....	59	-	-	-	-	-	-	-	-	1	24
New Hampshire.....	6	-	-	-	-	-	-	-	-	1	23
Vermont.....	82	-	-	-	-	-	-	-	-	2	20
Massachusetts.....	99	-	2	-	1	-	3	-	1	-	2
Rhode Island.....	31	-	-	-	-	-	-	-	-	-	-
Connecticut.....	357	1	1	-	-	-	3	-	1	-	-
MIDDLE ATLANTIC.....	94	-	11	-	-	2	43	-	38	4	182
New York City.....	6	-	4	-	-	-	17	-	-	-	-
New York, Up-State.....	81	-	2	-	-	1	11	-	13	4	171
New Jersey.....	NN	-	1	-	-	-	7	-	10	-	-
Pennsylvania.....	7	-	4	-	-	1	8	-	15	-	11
EAST NORTH CENTRAL...	355	2	12	1	13	1	32	1	17	6	381
Ohio.....	20	1	4	-	3	-	16	-	9	-	180
Indiana.....	104	-	2	1	4	1	3	1	1	1	82
Illinois.....	95	1	3	-	5	-	3	-	7	2	48
Michigan.....	88	-	3	-	-	-	4	-	-	1	31
Wisconsin.....	48	-	-	-	1	-	6	-	-	2	40
WEST NORTH CENTRAL...	65	-	6	1	12	2	22	-	2	7	650
Minnesota.....	2	-	1	-	-	-	-	-	-	1	150
Iowa.....	25	-	1	-	-	-	5	-	-	1	132
Missouri.....	-	-	4	1	6	2	10	-	1	2	204
North Dakota.....	-	-	-	-	-	-	1	-	-	1	27
South Dakota.....	6	-	-	-	2	-	-	-	-	1	68
Nebraska.....	-	-	-	-	2	-	1	-	-	-	18
Kansas.....	32	-	-	-	2	-	5	-	1	1	51
SOUTH ATLANTIC.....	476	-	28	1	10	2	45	2	82	11	384
Delaware.....	-	-	-	-	-	-	1	-	1	-	-
Maryland.....	13	-	2	-	1	-	8	-	23	-	2
Dist. of Columbia..	-	-	-	-	-	-	2	-	-	-	-
Virginia.....	173	-	4	-	2	-	8	1	27	4	203
West Virginia.....	126	-	-	-	1	-	1	-	-	2	46
North Carolina.....	2	-	4	1	3	2	6	-	18	-	3
South Carolina.....	43	-	1	-	1	-	8	-	5	-	-
Georgia.....	7	-	7	-	2	-	2	1	8	5	80
Florida.....	112	-	10	-	-	-	9	-	-	-	50
EAST SOUTH CENTRAL...	770	-	13	-	20	1	26	3	33	16	386
Kentucky.....	28	-	1	-	3	-	3	-	7	6	81
Tennessee.....	695	-	2	-	10	1	12	2	20	8	276
Alabama.....	12	-	6	-	4	-	6	1	6	1	14
Mississippi.....	35	-	4	-	3	-	5	-	-	1	15
WEST SOUTH CENTRAL...	475	1	23	1	49	-	25	-	6	10	594
Arkansas.....	6	-	2	1	40	-	1	-	2	2	63
Louisiana.....	-	-	5	-	3	-	7	-	-	-	35
Oklahoma.....	10	-	1	-	4	-	9	-	4	2	152
Texas.....	459	1	15	-	2	-	8	-	-	6	344
MOUNTAIN.....	696	-	2	-	6	-	12	-	3	3	66
Montana.....	30	-	-	-	2	-	-	-	-	-	7
Idaho.....	67	-	-	-	-	-	-	-	-	-	-
Wyoming.....	25	-	-	-	-	-	-	-	-	-	-
Colorado.....	377	-	2	-	-	-	3	-	2	-	8
New Mexico.....	28	-	-	-	1	-	2	-	1	1	12
Arizona.....	32	-	-	-	1	-	3	-	-	2	34
Utah.....	137	-	-	-	2	-	3	-	-	-	1
Nevada.....	-	-	-	-	-	-	1	-	-	-	4
PACIFIC.....	482	1	16	-	3	1	34	-	1	7	194
Washington.....	81	-	-	-	-	-	11	-	-	-	10
Oregon.....	9	-	1	-	-	-	1	-	-	1	3
California.....	385	1	15	-	3	1	20	-	1	6	181
Alaska.....	1	-	-	-	-	-	-	-	-	-	-
Hawaii.....	6	-	-	-	-	-	2	-	-	-	-
Puerto Rico.....	-	-	33	-	-	-	7	-	-	-	11

Morbidity and Mortality Weekly Report

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Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED SEPTEMBER 3, 1966

35

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	626	378	29	24	SOUTH ATLANTIC:	1,055	563	52	68
Boston, Mass.-----	179	107	9	5	Atlanta, Ga.-----	96	40	6	13
Bridgeport, Conn.-----	36	18	3	2	Baltimore, Md.-----	236	119	6	9
Cambridge, Mass.-----	22	12	2	-	Charlotte, N. C.-----	39	14	6	5
Fall River, Mass.-----	24	14	1	-	Jacksonville, Fla.-----	63	37	2	4
Hartford, Conn.-----	49	30	2	7	Miami, Fla.-----	92	59	1	7
Lowell, Mass.-----	29	19	3	1	Norfolk, Va.-----	51	26	4	4
Lynn, Mass.-----	14	9	1	2	Richmond, Va.-----	69	34	-	4
New Bedford, Mass.-----	27	17	1	-	Savannah, Ga.-----	34	17	1	4
New Haven, Conn.-----	60	30	1	3	St. Petersburg, Fla.-----	74	66	8	2
Providence, R. I.-----	54	34	1	1	Tampa, Fla.-----	69	45	6	3
Somerville, Mass.-----	10	6	-	-	Washington, D. C.-----	195	87	10	11
Springfield, Mass.-----	40	30	1	1	Wilmington, Del.-----	37	19	2	2
Waterbury, Conn.-----	29	15	-	2					
Worcester, Mass.-----	53	37	4	-	EAST SOUTH CENTRAL:	502	240	23	35
MIDDLE ATLANTIC:	3,070	1,683	106	184	Birmingham, Ala.-----	93	53	-	7
Albany, N. Y.-----	50	21	1	8	Chattanooga, Tenn.-----	32	19	3	2
Allentown, Pa.-----	45	24	1	8	Knoxville, Tenn.-----	36	24	4	1
Buffalo, N. Y.-----	145	76	7	11	Louisville, Ky.-----	67	16	9	6
Camden, N. J.-----	43	23	2	4	Memphis, Tenn.-----	119	57	3	10
Elizabeth, N. J.-----	28	16	6	1	Mobile, Ala.-----	43	18	-	2
Erie, Pa.-----	42	18	3	3	Montgomery, Ala.-----	36	19	1	3
Jersey City, N. J.-----	62	27	3	5	Nashville, Tenn.-----	76	34	3	4
Newark, N. J.-----	76	37	5	4					
New York City, N. Y.-----	1,589	894	47	76	WEST SOUTH CENTRAL:	1,033	517	22	85
Paterson, N. J.-----	36	17	-	7	Austin, Tex.-----	38	20	2	3
Philadelphia, Pa.-----	411	218	7	26	Baton Rouge, La.-----	41	20	-	2
Pittsburgh, Pa.-----	181	99	3	11	Corpus Christi, Tex.-----	19	10	-	-
Reading, Pa.-----	40	23	1	1	Dallas, Tex.-----	137	59	1	11
Rochester, N. Y.-----	89	55	6	5	El Paso, Tex.-----	39	14	2	7
Schenectady, N. Y.-----	25	8	-	3	Fort Worth, Tex.-----	74	42	1	6
Scranton, Pa.-----	39	28	1	2	Houston, Tex.-----	167	82	1	11
Syracuse, N. Y.-----	69	38	1	5	Little Rock, Ark.-----	50	25	3	5
Trenton, N. J.-----	44	24	3	1	New Orleans, La.-----	192	101	7	14
Utica, N. Y.-----	20	13	5	2	Oklahoma City, Okla.-----	87	40	-	8
Yonkers, N. Y.-----	36	24	4	1	San Antonio, Tex.-----	100	57	1	8
					Shreveport, La.-----	50	27	1	4
					Tulsa, Okla.-----	39	20	3	6
EAST NORTH CENTRAL:	2,455	1,357	64	122					
Akron, Ohio-----	62	30	-	6	MOUNTAIN:	380	220	12	29
Canton, Ohio-----	36	21	3	1	Albuquerque, N. Mex.-----	33	15	4	2
Chicago, Ill.-----	689	359	26	30	Colorado Springs, Colo.-----	17	13	1	1
Cincinnati, Ohio-----	164	100	2	9	Denver, Colo.-----	107	55	3	9
Cleveland, Ohio-----	207	105	4	4	Ogden, Utah-----	21	14	-	3
Columbus, Ohio-----	105	61	3	7	Phoenix, Ariz.-----	90	57	1	5
Dayton, Ohio-----	79	32	-	8	Pueblo, Colo.-----	16	8	1	3
Detroit, Mich.-----	326	190	5	15	Salt Lake City, Utah-----	50	31	-	4
Evansville, Ind.-----	42	20	3	1	Tucson, Ariz.-----	46	27	2	2
Flint, Mich.-----	45	22	-	6					
Fort Wayne, Ind.-----	41	18	-	4	PACIFIC:	1,429	848	31	63
Gary, Ind.-----	20	8	4	4	Berkeley, Calif.-----	16	10	-	-
Grand Rapids, Mich.-----	41	28	1	2	Fresno, Calif.-----	42	25	1	2
Indianapolis, Ind.-----	151	83	7	5	Glendale, Calif.-----	26	15	-	-
Madison, Wis.-----	32	14	-	2	Honolulu, Hawaii-----	44	19	3	5
Milwaukee, Wis.-----	143	99	2	6	Long Beach, Calif.-----	74	55	1	3
Peoria, Ill.-----	28	15	-	-	Los Angeles, Calif.-----	403	227	8	20
Rockford, Ill.-----	41	20	1	3	Oakland, Calif.-----	102	57	-	4
South Bend, Ind.-----	40	20	1	4	Pasadena, Calif.-----	34	24	-	1
Toledo, Ohio-----	107	77	1	5	Portland, Oreg.-----	106	54	1	7
Youngstown, Ohio-----	56	35	1	-	Sacramento, Calif.-----	46	31	-	3
					San Diego, Calif.-----	91	49	3	5
WEST NORTH CENTRAL:	802	498	26	43	San Francisco, Calif.-----	159	91	2	3
Des Moines, Iowa-----	77	50	3	1	San Jose, Calif.-----	44	34	4	1
Duluth, Minn.-----	20	10	2	3	Seattle, Wash.-----	143	93	6	5
Kansas City, Kans.-----	25	10	3	1	Spokane, Wash.-----	55	38	1	3
Kansas City, Mo.-----	117	66	2	8	Tacoma, Wash.-----	44	26	1	1
Lincoln, Nebr.-----	18	11	-	1					
Minneapolis, Minn.-----	130	86	3	6	Total	11,352	6,304	365	653
Omaha, Nebr.-----	80	53	2	4					
St. Louis, Mo.-----	221	136	7	16					
St. Paul, Minn.-----	62	44	2	3					
Wichita, Kans.-----	52	32	2	-					

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages -----	444,769
All Causes, Age 65 and over-----	255,645
Pneumonia and Influenza, All Ages-----	19,105
All Causes, Under 1 Year of Age-----	23,493

EPIDEMIOLOGIC NOTES AND REPORTS ENCEPHALITIS - Texas and Missouri

(Continued from front page)

A total of five cases of clinical encephalitis with one death has been reported from St. Louis, Missouri. Two cases showed a fourfold increase in CF antibody titers for SLE. There have been no new cases since September 1, 1966.

(Reported by Dr. Van C. Tipton, State Epidemiologist, Texas State Department of Health; Dr. Hal J. Dewlett, Director, Dallas City Health Department; Dr. William R. Metzger, Director of Public Health and Welfare, Corpus Christi-Nueces County Health Department, Dr. E. A. Belden, Consultant, Communicable Disease Control, Missouri Department of Public Health and Welfare; Dr. C. Howe Eller, Commissioner of Health, St. Louis County, Missouri; and teams from CDC.)

INTERNATIONAL NOTES QUARANTINE MEASURES

Immunization Information for International Travel
1965-66 edition, Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

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City: Des Moines, Iowa

Center: Des Moines-Polk County Health Department
Argonne-Armory Building
602 East First Street

Clinic Hours: Thursday, 2:30 p.m.

Fee: Yes

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

CHIEF, COMMUNICABLE DISEASE CENTER
CHIEF, EPIDEMIOLOGY BRANCH
ACTING CHIEF, STATISTICS SECTION

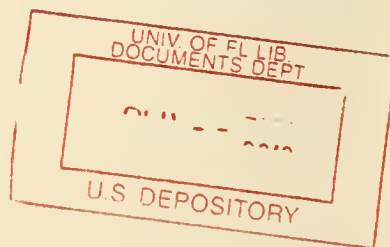
DAVID J. SENCER, M.D.
A.D. LANGMUIR, M.D.
IOA L. SHERMAN, M.S.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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